

AMENDMENTS TO THE CLAIMS**Listing of the Claims:**

1. (Previously Presented) A method of transferring data in a networked system between a local memory in a local system and a remote memory in a remote system, the local memory including at least a first buffer region and a second buffer region, the method comprising:

receiving a remote direct memory access (RDMA) request;

associating the first buffer region with a first transfer operation;

determining whether a size of the first buffer region exceeds a maximum transfer size of the networked system;

associating portions of the second buffer region with a first transfer operation if the determining determines that the size of the buffer region is less than the maximum transfer size and associating portions of the second buffer region with a second transfer operation if the determining determines that the size of the first buffer region exceeds the maximum transfer; and

performing the first transfer operation.

2. (Original) The method of claim 1, wherein the RDMA request relates to a read operation and the first transfer operation comprises transferring data from the remote memory to the local memory.
3. (Original) The method of claim 2, wherein if the size of the first buffer region exceeds the maximum transfer size of the networked system, then the first buffer region is also associated with the second transfer operation.
4. (Original) The method of claim 1, wherein the RDMA request relates to a write operation and the first transfer operation comprises transferring data from the local memory to the remote memory.
5. (Original) The method of claim 4, wherein if the size of the first buffer region exceeds the maximum transfer size of the networked system, then the first buffer region is also associated with the second transfer operation.
6. (Original) The method of claim 1, further comprising performing the second transfer operation between the local memory and the remote memory.
7. (Previously Presented) The method of claim 1, wherein the networked system comprises one of a Next Generation (NGIO) system, a Virtual Interface (VI) system and an Infiniband system.
8. (Previously Presented) A tangible medium storing a plurality of program instructions, the program instructions causing a networked system to carry

out a method of transferring data between a local memory in a local system and a remote memory in a remote system, the local memory including at least a first buffer region and a second buffer region, the method comprising:

receiving a remote direct memory access (RDMA) request;

associating the first buffer region with a first transfer operation;

determining whether a size of the first buffer region exceeds a maximum transfer size of the networked system;

associating portions of the second buffer region with a first transfer operation if the determining determines that the size of the first buffer region is less than the maximum transfer size and associating portions of the second buffer region with a second transfer operation if the determining determines that the size of the first buffer region exceeds the maximum transfer size; and

performing the first transfer operation.

9. (Original) The tangible medium of claim 8, wherein the RDMA request relates to a read operation and the first transfer operation comprises transferring data from the remote memory to the local memory.
10. (Original) The tangible medium of claim 9, wherein if the size of the first buffer region exceeds the maximum transfer size of the networked

system, then the first buffer region is also associated with the second transfer operation.

11. (Original) The tangible medium of claim 8, wherein the RDMA request relates to a write operation and the first transfer operation comprises transferring data from the local memory to the remote memory.
12. (Original) The tangible medium of claim 11, wherein if the size of the first buffer region exceeds the maximum transfer size of the networked system, then the first buffer region is also associated with the second transfer operation.
13. (Original) The tangible medium of claim 8, further comprising performing the second transfer operation between the local memory and the remote memory.
14. (Previously Presented) The tangible medium of claim 8, wherein the networked system comprises one of a Next Generation (NGIO) system, a Virtual Interface (VI) system and an Infiniband system.
15. (Previously Presented) A system for transferring data in a networked system between a local memory in a local system and a remote memory in a remote system, the local memory including at least a first buffer region and a second buffer region, the system comprising:

a receiving device that receives a remote direct memory access (RDMA) request;

an RDMA managing device that receives the RDMA request, the RDMA managing device determining whether a size of the first buffer region exceeds a maximum transfer size of the network system, the RDMA managing device associating portions of the second buffer region with a first transfer operation if the RDMA managing device determines that the size of the first buffer region is less than the maximum transfer size and associates portions of the second buffer region with a second transfer operation if the RDMA managing device determines that the size of the first buffer region exceeds the maximum transfer size; and

a transferring device that performs the first transfer operation between the local memory and the remote memory.

16. (Original) The system of claim 15, wherein the RDMA request relates to a read operation and the first transfer operation comprises transferring data from the remote memory to the local memory.
17. (Original) The system of claim 16, wherein if the size of the first buffer region exceeds the maximum transfer size of the networked system, then the first buffer region is also associated with the second transfer operation.
18. (Original) The system of claim 15, wherein the RDMA request relates to a write operation and the first transfer operation comprises transferring data from the local memory to the remote memory.
19. (Original) The system of claim 18 wherein if the size of the first buffer region exceeds the maximum transfer size of the networked system, then

the first buffer region is also associated with the second transfer operation.

20. (Original) The system of claim 15, further comprising performing the second transfer operation between the local memory and the remote memory.
21. (Previously Presented) The system of claim 15, wherein the networked system comprises one of a Next Generation (NGIO) system, a Virtual Interface (VI) system and an Infiniband system.
22. (Previously Presented) A system for transferring data in a networked system between a local memory in a local system and a remote memory in a remote system, the local memory including at least a first buffer region and a second buffer region, the system comprising:

a processor that receives a remote direct memory access (RDMA) request, the processor determining whether a size of the first buffer region exceeds a maximum transfer size of the networked system, the processor associating portions of the second buffer region with a first transfer operation if the processor determines that the size of the first buffer region is less than the maximum transfer size and associates portions of the second buffer region with a second transfer operation if the processor determines that the size of the first buffer region exceeds the maximum transfer size; and

an input/output device that performs the first transfer operation between the local memory and the remote memory.

23. (Original) The system of claim 22, wherein the RDMA request relates to a read operation and the first transfer operation comprises transferring data from the remote memory to the local memory.
24. (Original) The system of claim 23, wherein if the size of the first buffer region exceeds the maximum transfer size of the networked system, then the first buffer region is also associated with the second transfer operation.
25. (Original) The system of claim 22, wherein the RDMA request relates to a write operation and the first transfer operation comprises transferring data from the local memory to the remote memory.
26. (Previously Presented) The method of claim 1, wherein the local system comprises a first computer system and the remote system comprises a second computer system.
27. (Previously Presented) The method of claim 26, wherein performing the first transfer operation comprises performing the first transfer operation from the first computer system across a computer network to the second computer system.
28. (Previously Presented) The method of claim 1, wherein associating portions of the second buffer region with the first transfer operation occurs prior to performing the first transfer operation.
29. (Previously Presented) The system of claim 15, wherein the local system comprises a first computer system and the remote system comprises a second computer system.
30. (Previously Presented) The system of claim 29, wherein the transferring

device performs the first transfer operation by transferring data from the first computer system across a computer network to the second computer system.

31. (Previously Presented) The system of claim 15, wherein the RDMA managing device associates portions of the second buffer region with the first transfer operation prior to the transferring device performing of the first transfer operation.